Habad Olad

habadolad@outlook.com | www.linkedin.com/in/habad-olad | https://github.com/HabadOlad

EXPERIENCE

Postgraduate Research Assistant
June 2020 – Present

University of London
Queen Mary University, UK

- Provided research advisory to postgraduate students, directly supporting the successful completion of eight doctoral degrees in Economics.
- Designed and implemented a bespoke learning and development program that significantly enhanced student research skills.
- Achieved a 100% dissertation completion rate, with 75% (6 of 8) receiving distinctions, demonstrating program excellence.
- Developed custom Excel data dashboards and visualizations, enabling deep data analytics on complex fieldwork and research.
- Executed comprehensive project management: planning, expert facilitation, and meticulous documentation of high-stakes workshops.

Consultant
March 2017 – December 2018

WSP Group PLC
London, UK

- Directed teams in data collection and interpolation for the HS2 phases, managing over 300,000 public responses and 300 consultations to assess public opinion.
- Analyzed qualitative feedback indicating 67% public support for HS2, providing the necessary evidence base to justify the execution of the compulsory purchase order (CPO).
- Managed and delivered the Crossrail 2 workshops and consulting phases, achieving an overwhelmingly positive public feedback rating of 97%.
- Spearheaded **stakeholder engagement and communication**, successfully liaising with diverse internal and external groups, and representing the project at key meetings.
- Led the management and delivery of small-to-medium change projects, utilizing systems expertise in ArcGIS, ArcMap, Excel, and various database management platforms.

Research Assistant
June 2016 – December 2017

Horizon 2020 - Imperial college London
London, UK

- Led comprehensive impact assessments and evaluation studies on major EU funding instruments, including the long-term effects of previous Framework Programmes.
- Conducted in-depth progress evaluation of the Horizon 2020 program, utilizing performance metrics to assess attainment of strategic objectives.
- Authored and synthesized high-level reports for external expert groups, providing evidence-based analysis to inform policy and funding decisions.
- Delivered horizontal and thematic evaluation studies, applying quantitative and qualitative methodologies to complex policy areas.
- Streamlined data analysis and visualization processes by leveraging Power BI and Excel for robust reporting and stakeholder communication.

PROJECTS

Hab-Blog! https://github.com/HabadOlad/Hab-blog | *Python, Flask, JS*
October 2025 – Present

- Blogpost manager module to plug into your website
- Developed a full-stack web application using with Flask
- Integrating SQLAlchemy for the database, Jinja2 for front-end rendering
- Implemented full CRUD (Create, Read, Update, Delete) functionality for blog posts, authors, and categories via an intuitive administrative interface.
- Secured administrative routes and data modification endpoints using Flask-Login and implemented measures to prevent common security vulnerabilities

StopSnoringML https://github.com/HabadOlad/StopSnoringML | *C++, Python* December 2025 – Present

- Designed and implemented an integrated hardware-software data acquisition system using an Arduino Uno and a custom microphone circuit to capture time-series audio data.

- Developed a robust Python data pipeline utilizing Pandas for cleaning, preprocessing, and transforming raw sensor data, including feature extraction and noise reduction.
- Conducted advanced data analysis with Matplotlib and NumPy to visualize patterns in sleep data, identifying correlations between snoring events, duration, and intensity.
- Demonstrated proficiency in end-to-end system development, from embedded C/C++ programming on the micro-controller to complex data manipulation and visualization in Jupyter Notebooks.

EDUCATION

Imperial College London
London, UK
MSC in Environmental Technology
2015 – 2016

University of Hull
UK
Bachelor of Science in Geography and Earth Sciences
2011 – 2014

TECHNICAL SKILLS

Languages:Python, SQL, JavaScript, HTML/CSS
Frameworks:React, Flask,
Developer Tools: Git, VS Code, Visual Studio, Excel, Node.Js
Libraries: pandas, NumPy, Matplotlib